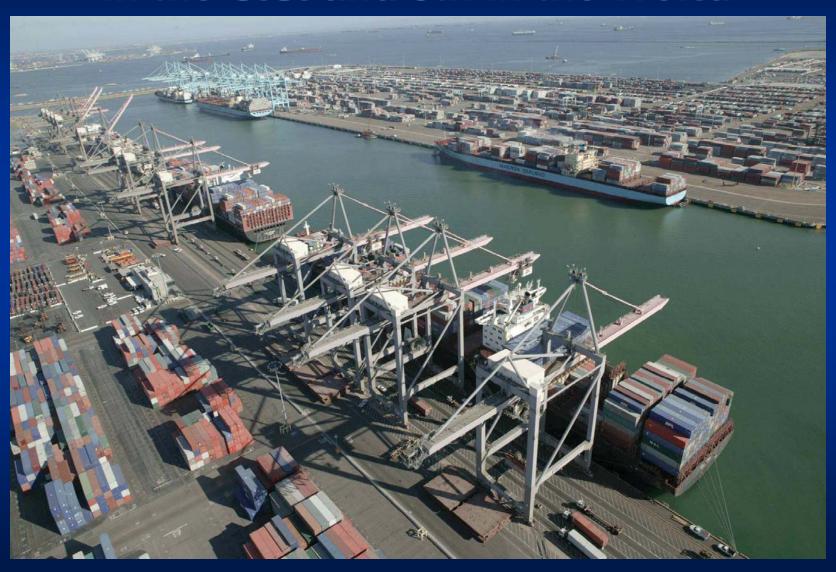


On-Road Trucking: Truck Toll Lanes

Turning a
Competitive
Advantage into a
Win for
Communities
and Businesses

LA/Long Beach Port Complex is Largest in the U.S. and 5th in the World



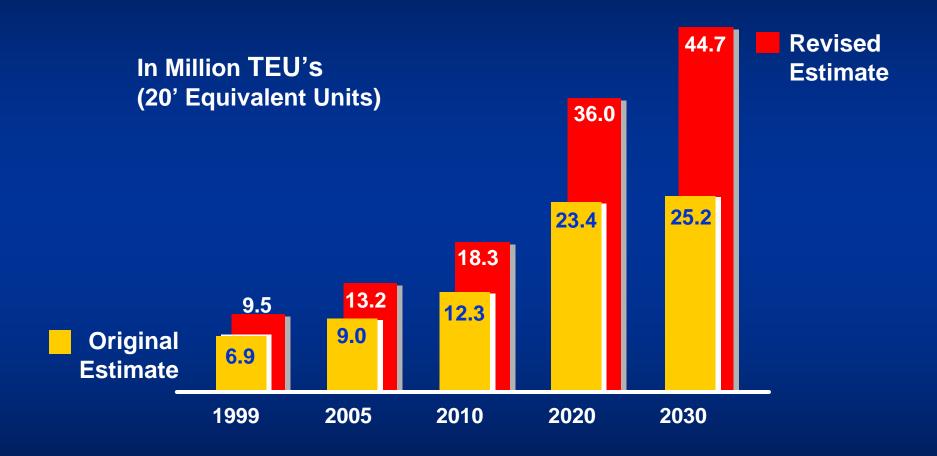
Southern California Association of Governments • Resolving Regional Challenges

Ports Handle the Bulk of Asia – U.S. Containerized Trade

Port Region	Imports	Exports	
LA-Long Beach	60.5%	39.7%	
Other US West Coast	16.1%	30.8%	
US Gulf + East Coasts	23.4%	29.5%	

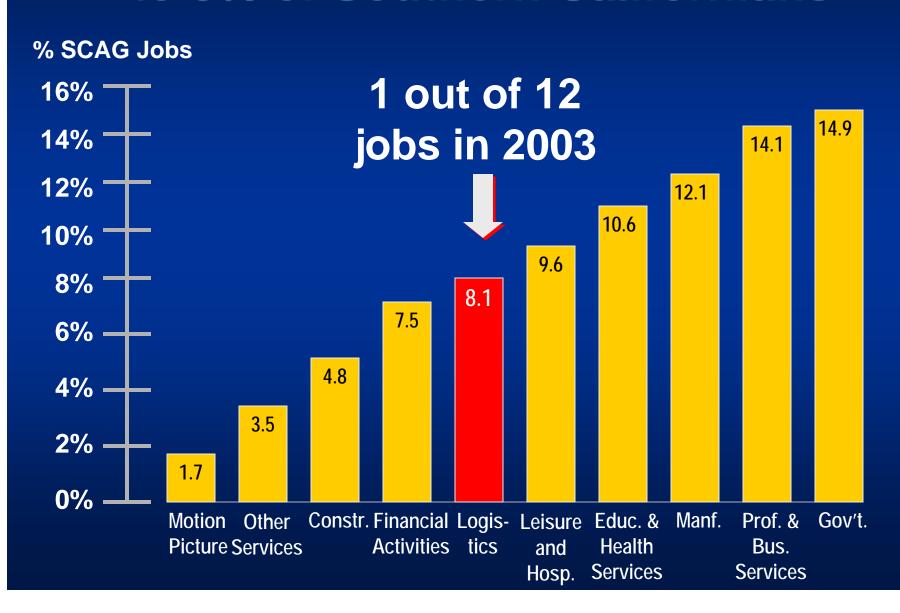
Shares measured on a TEU basis in 2003 Source: PIERS, courtesy of MARAD

Total LA/Long Beach Container Growth Projected to Triple in 25 Years



Source: POLA, POLB

The Logistics Industry Provides Jobs to 8% of Southern Californians



And Those Jobs Pay Well



Job Growth in Logistics Could be Significant

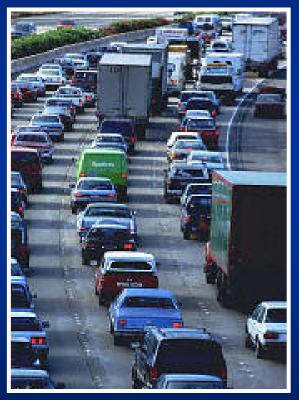
Logistics Investment, Job Creation, 2005-2030

<u>Activity</u>	Job Creation
Logistics Natural Growth	325,000
Logistics: Additional Growth Due To System Efficier	ncy 95,000
Rail Capacity, Grade Separation, Truckway	277,000
Rest of Economy Growth: System Efficiency	83,000
Maglev LAX-ONT	91,000
Multiplier Impacts	<u>510,000</u>
	1,381,000

good pay and upward mobility opportunities available to a growing blue collar labor force

Landside Congestion is Putting Our Advantage in Jeopardy

By 2025



Projected to nearly double



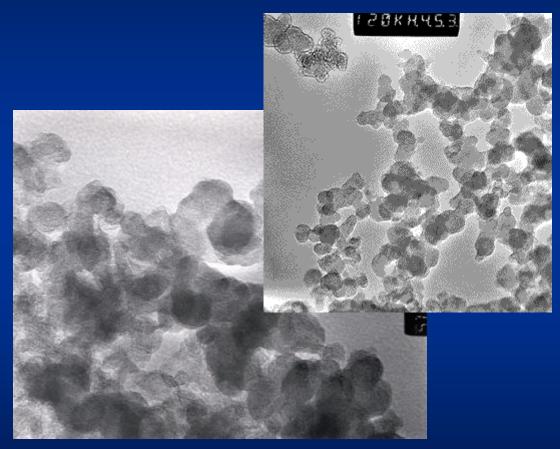
Without improvements, nothing will be moving

The Pollutants it Creates are Putting Our Health in Jeopardy



- Progress has stalled and diesel emissions from ships, locomotives and port complex are projected to increase
- The mega-region continues to have the worst air quality in the U.S.

Diesel Particulates Are at the Root of the Problem



They comprise
71% of the
major
pollutants
contributing to
cancer risk in
the South
Coast Air
Basin

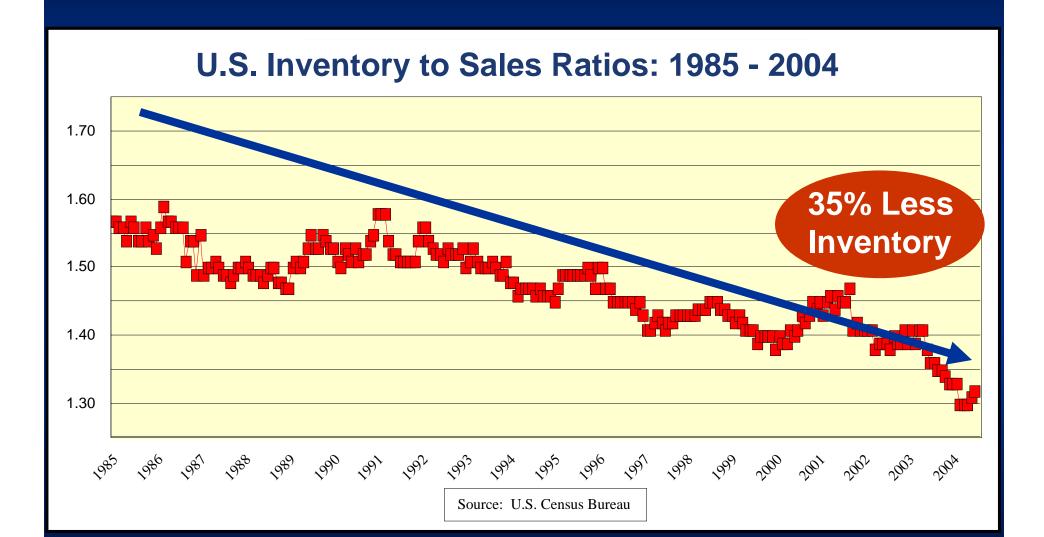
Source: SCAQMD, Multiple Air Toxics Exposure Study II, March 2000

Does the investment required to make transportation infrastructure improvements and employ clean air strategies make business sense?

Two Productivity Gains

- Shippers' inventory savings
- Transporters' efficiency gains

Carrying Less Inventory Saves Money



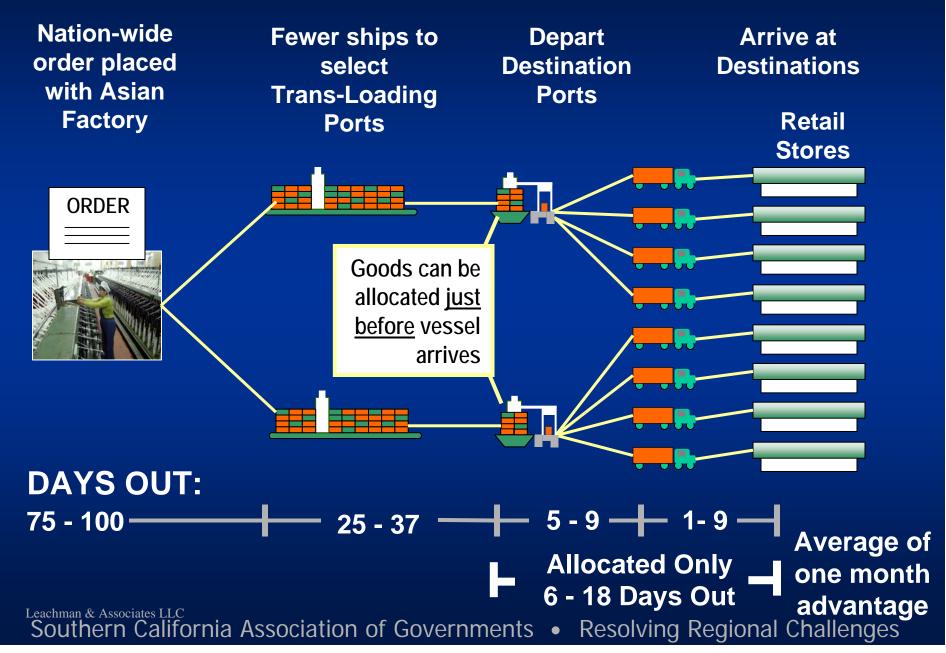
"Just-In-Time" Savings

The trans-loading of weekly shipments from Asia affords large, nation-wide retailers an 18-20% reduction in their total pipeline plus safety stock inventory compared to direct shipping from Asia.

Assuming a 6% average error in nationwide one-week-ahead sales forecasts

Leachman & Associates LLC

Consolidated Shipping Time Savings



"Just-In-Time" Savings

The savings amount to over \$1 Billion annually on inventory interest alone.

Leachman & Associates LLC

The investments and their price tags

Dedicated Truck Lanes



Southern California Association of Governments • Resolving Regional Challenges

Separated from Car Lanes



Dedicated Right-of-Ways or Elevated Roadway

Air Quality Improvements

Cost-effective emission reduction measures

Subsidize fleet modernization to alternative fuels





Scrap or retrofit dirty old vehicles and convert to clean fuels

Provide onshore electric power for ships at berth (Alternative Marine Power)





Focus investments to reduce emissions near people

The Cost

In Billions

	Lanes/Tracks Only	Other Operational Improvements	TOTAL
Dedicated Truck Lanes	\$16.5	\$3.5	\$20.0
Additional Rail Tracks	\$3.4	\$2.6	\$6.0
		TOTAL	\$26.0
TOTAL with \$10	B Environme	ntal Mitigation	\$36.0

The Public/Private Solution

Tax-Exempt
Bonds and
Tax Credit
Financing
to
BUILD
the facilities

Container
Fees & Tolls
to
USE
the facilities
AFTER
they are built

What are speed and reliability worth to users of the system?

The Value of Time

Trucking Industry Value of time

\$25 to \$200 per hour depending on cargo

FHWA Freight Management and Operations: Measuring Travel Time in Freight-Significant Corridors, www.ops.dot.gov/freight/time.htm

Travel Time In the Year 2030

AM Peak Travel Planning Time* in Hours

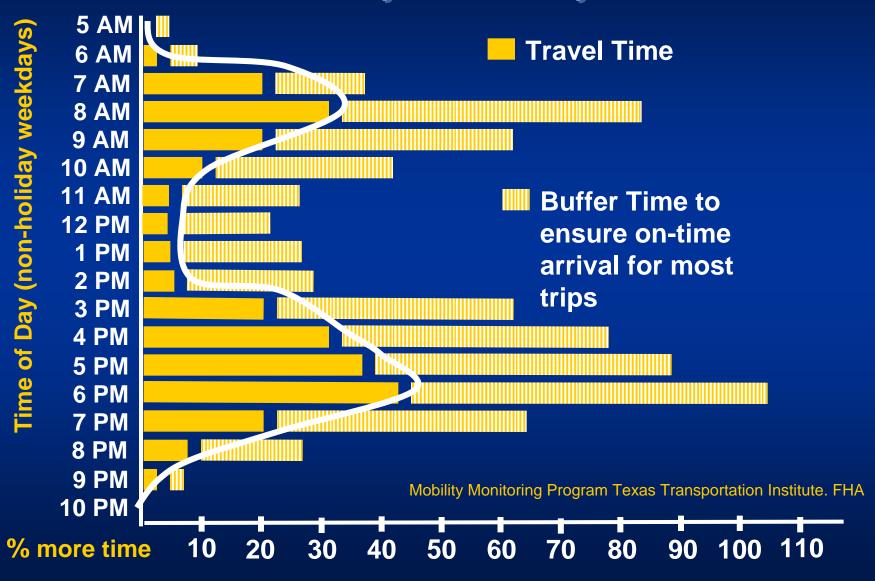


k



Planning Time in 2030

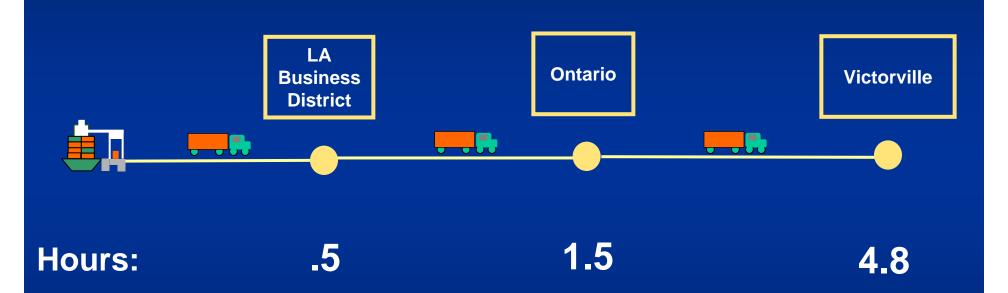
Index by Time-of-Day



Southern California Association of Governments • Resolving Regional Challenges

In the Year 2030 with Truck Lanes

AM Peak Travel Planning Time in Hours



Cash Value of Time Savings with Truck Lanes

AM Peak Travel @\$73 per hour



Value:

\$103

\$233

\$345

Extra Trip Potential

3.4

3.1

2.3

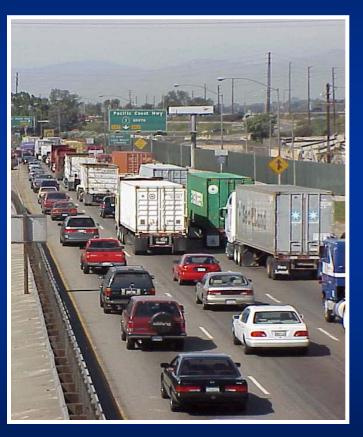
If truckers paid an \$.86/mile toll to use the truckways, what would be their ROI?

Value of Infrastructure at A.M. Peak Travel Times - 2030

Warehouse District	;	Value @ \$73/hr	Toll @ \$.86/Mile	ROI per Trip after Toll	ROI Ratio
Downtown	To	\$103	\$17	\$86	6:1
	From	\$118	\$17	\$101	7:1
Ontario	To	\$233	\$32	\$201	7:1
	From	\$361	\$32	\$329	11:1
Victorville	To	\$345	\$64	\$281	5:1
	From	\$490	\$64	\$336	8:1

\$1 Invested = \$5 to \$11 Return

Not Nearly Enough Federal and State Funds to Fix the Problems



 Dramatic growth in traffic is running head-long into limited transportation funding and high infrastructure improvement costs.

Port & Modal Elasticity Study

Key Study Finding:

Shippers are more sensitive to congestion (delay) than to the cost of transportation

Study Conducted by Leachman and Associates LLC - Sept. 2005

Premise

- 1. Infrastructure improvements will reduce transit time for shippers and improve efficiency and reliability.
- 2. Reliability has a real dollar value to shippers.
- 3. The value of time saved will be significantly greater than the investment to achieve the time saved.

Two "What-If" Scenarios

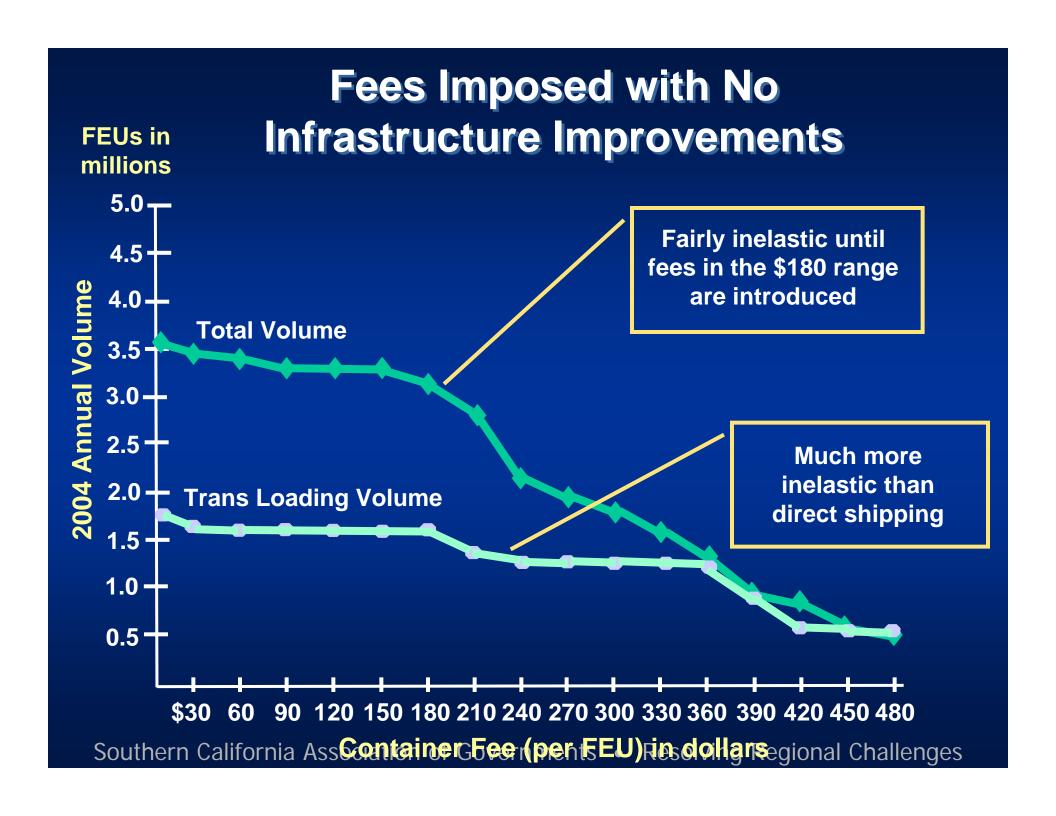
As-Is Scenario

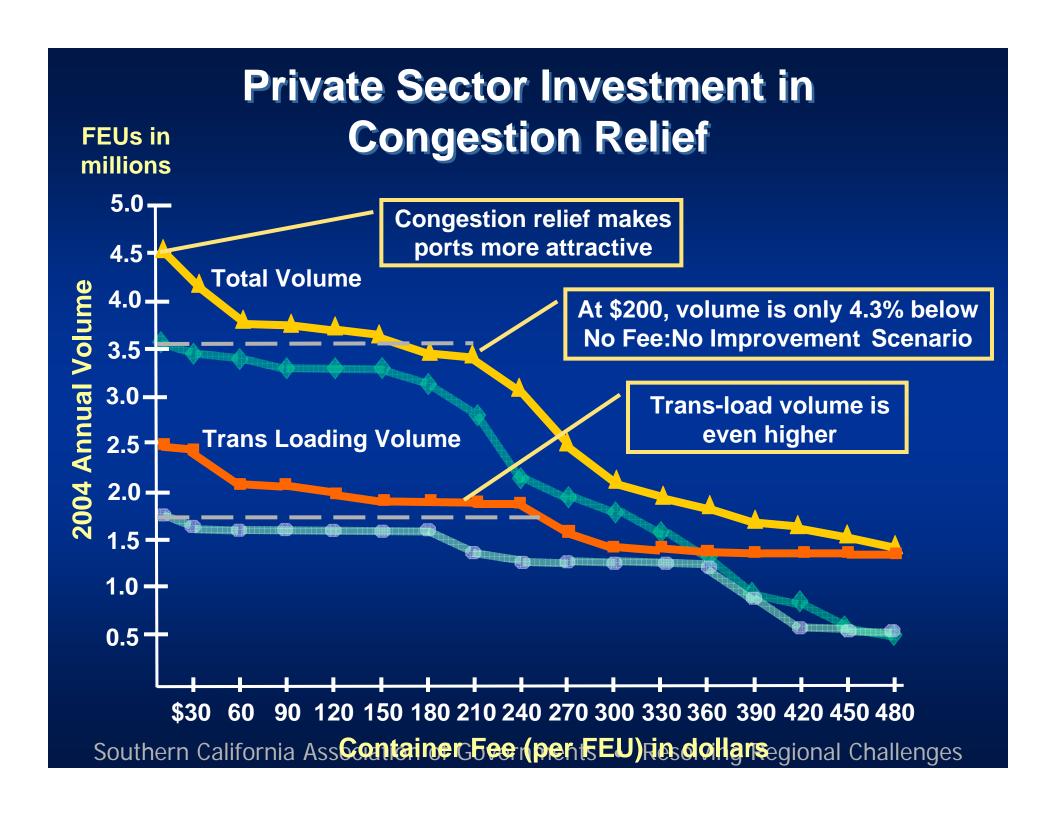
Fees imposed but NOT used to provide regional congestion relief

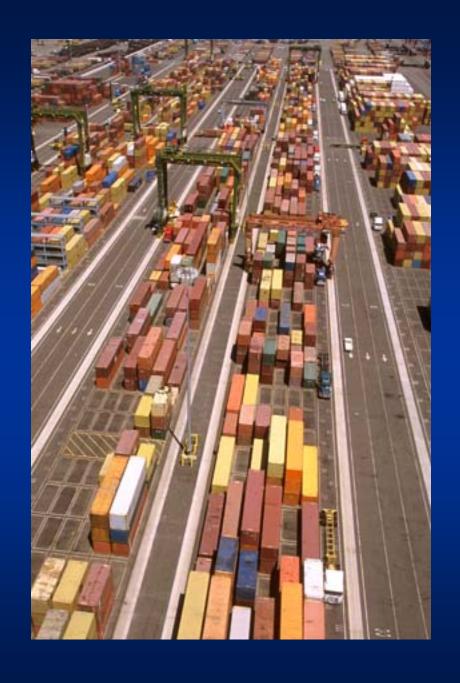
Congestion Relief Scenario

Fees and/or tolls paid by users of newly constructed highway and rail systems that provide regional congestion relief.

Study Conducted by Leachman and Associates LLC - Sept. 2005







On-Road Trucking: Truck Toll Lanes

Strategy for a Brighter Future